

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number
WO 2005/078852 A1

(51) International Patent Classification⁷: **H01M 12/06**

(21) International Application Number:
PCT/KR2004/000306

(22) International Filing Date: 16 February 2004 (16.02.2004)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **MEET CO., LTD.** [KR/KR]; 356-19 Banwol-ri, Taeaeon-eub, Hwasung, Kyunggi-do 445-973 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BAIK, Dong-Soo** [KR/KR]; 109-1501 Hanyang Apt., 396 Kugal-ri, Giheung-eub, Yongin, Kyunggi-do 449-900 (KR). **LEE, Jeong-Yoon** [KR/KR]; 203-1001 Bando-bora-village, Naeson-1-dong, Naeson-1-dong, Euiwang, Kyunggi-do 437-081 (KR).

(74) Agent: **YOO, Dong-Ho**; DONG HO YOO Patent & Law Office, Rm. 903 Kangnam Bldg., 1321-1 Socho-dong, Socho-gu, Seoul 137-070 (KR).

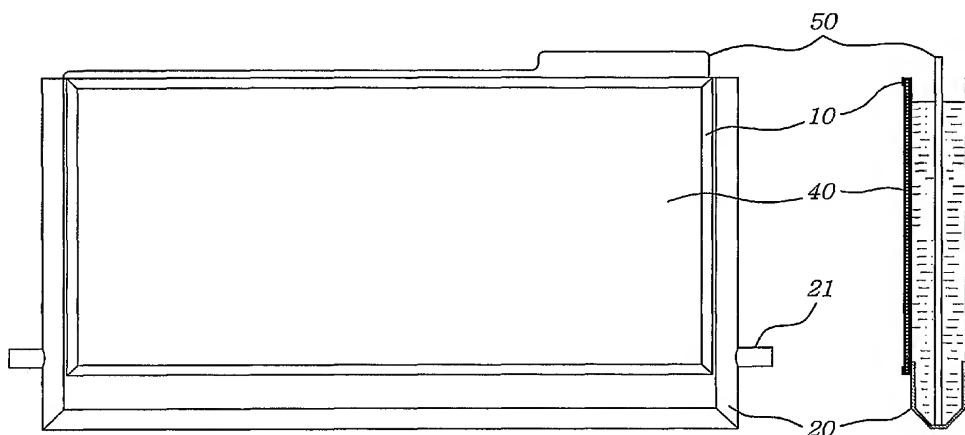
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: COLLAPSIBLE METAL AIR BATTERY



(57) Abstract: The present invention relates to a collapsible metal air fuel cell, and in particular to a collapsible metal air battery capable of generating an electric power in such a manner that an active metal of aluminum and magnesium is oxidized using oxygen from the air. The collapsible metal air battery comprises a unit cell including a pair of metal frames, a rubber housing adhered to left, right and lower sides of the metal frames, a separator and air anode adhered to an outer side of the metal frame, and a plate like metal fuel electrode inserted into the interior of the metal frames.

WO 2005/078852 A1